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IR-3347 (2-5556)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Patent of

Gordon Munns

Date: November 20, 2006

U.S. Patent No. 7,112,830

Issued: September 26, 2006

For: SUPER LATTICE MODIFICATION OF OVERLYING TRANSISTOR

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION

Sir:

Pursuant to 37 C.F.R. § 1.322(a), it is requested that the above-identified patent be corrected as follows:

Item (73) Assignee should read:

International Rectifier Corporation
El Segundo, CA (US)

A copy of the USPTO Notice of Recordation of Assignment Document is enclosed which shows the correct assignees.

As this error appears to be the fault of the Patent Office, no fee is enclosed. Should any fee be required to issue the Certificate of Correction, the same may be charged to our Deposit Account No. 15-0700.

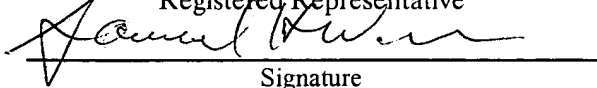
A Certificate of Correction (Form PTO/SB/44) is also enclosed.

Certificate

NOV 30 2006

of Correction

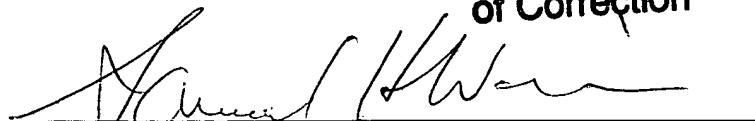
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 20, 2006

Samuel H. WeinerName of applicant, assignee or
Registered Representative
SignatureNovember 20, 2006

Date of Signature

SHW:fs

Respectfully submitted,



Samuel H. Weiner

Registration No.: 18,510

OSTROLENK, FABER, GERB & SOFFEN, LLP

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New York, New York 10036-8403

Telephone: (212) 382-0700

DEC 01 2006

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :7,112,830

DATED :September 26, 2006

INVENTOR(S) :Gordon Munns

It is certified that error appears in the above identified patent and that said Letters Patent is hereby corrected as shown below.

(73) Assignee:

International Rectifier Corporation
El Segundo, CA (US)

MAILING ADDRESS OF SENDER:

Ostrolenk, Faber, Gerb & Soffen, LLP
1180 Avenue of the Americas
New York, NY 10036-8403

PATENT NO. 7,112,830



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IR-3347(2-5556) C
IR-3348(2-5557) C
IR-3349(2-5558) C
IR-3350(2-5559) C

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 02, 2006

PTAS

500133051A

OSTROLENK, FABER, GERB & SOFFEN, LLP
1180 AVENUE OF THE AMERICAS
NEW YORK, NY 10036

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 08/01/2006

REEL/FRAME: 018039/0080

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: IR0.001 (2-1) V1062

ASSIGNOR:

APA ENTERPRISES, INC.

DOC DATE: 08/01/2006

ASSIGNEE:

INTERNATIONAL RECTIFIER
CORPORATION

233 KANSAS STREET
EL SEGUNDO, CALIFORNIA 90245

SERIAL NUMBER: 10723382

FILING DATE: 11/25/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: SUPER LATTICE MODIFICATION OF OVERLYING TRANSISTOR

018039/0080 PAGE 2

SERIAL NUMBER: 11450806

FILING DATE: 06/08/2006

PATENT NUMBER:

ISSUE DATE:

TITLE: SUPER LATTICE MODIFICATION OF OVERLYING TRANSISTOR

SERIAL NUMBER: 07701792

FILING DATE: 05/17/1991

PATENT NUMBER: 5192987

ISSUE DATE: 03/09/1993

TITLE: HIGH ELECTRON MOBILITY TRANSISTOR WITH GAN/ALXGA1-XN HETEROJUNCTIONS

SERIAL NUMBER: 08026528

FILING DATE: 03/03/1993

PATENT NUMBER: 5296395

ISSUE DATE: 03/22/1994

TITLE: METHOD OF MAKING A HIGH ELECTRON MOBILITY TRANSISTOR

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

08/01/2006
500133051

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
APA Enterprises, Inc.	08/01/2006
RECEIVING PARTY DATA	
Name:	International Rectifier Corporation
Street Address:	233 Kansas Street
City:	El Segundo
State/Country:	CALIFORNIA
Postal Code:	90245
PROPERTY NUMBERS Total: 4	
Property Type	Number
Patent Number:	5192987
Application Number:	10723382
Application Number:	11450806
Patent Number:	5296395
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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ATTORNEY DOCKET NUMBER:	IR0.001 (2-1) V1062
NAME OF SUBMITTER:	Samuel H. Weiner
Total Attachments: 2	

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PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
APA Enterprises, Inc.	08/01/2006
RECEIVING PARTY DATA	
Name:	International Rectifier Corporation
Street Address:	233 Kansas Street
City:	El Segundo
State/Country:	CALIFORNIA
Postal Code:	90245
PROPERTY NUMBERS Total: 4	
Property Type	Number
Patent Number:	5192987
Application Number:	10723382
Application Number:	11450806
Patent Number:	5296395
CORRESPONDENCE DATA	
Fax Number:	(212)382-0888
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.	

Phone: (212) 382-0700 Email: ckupferberg@ostrolenk.com Correspondent Name: Ostrolenk, Faber, Gerb & Soffen, LLP Address Line 1: 1180 Avenue of the Americas Address Line 4: New York, NEW YORK 10036	
ATTORNEY DOCKET NUMBER:	IR0.001 (2-1) V1062
NAME OF SUBMITTER:	Samuel H. Weiner
Signature:	/Samuel H Weiner/
Date:	08/01/2006
Total Attachments: 2 source=00779602#page1.tif source=00779602#page2.tif	
RECEIPT INFORMATION EPAS ID: PAT138994 Receipt Date: 08/01/2006 Fee Amount: \$160	

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Carol R. Kupferberg

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After review by Assignment Services Division personnel a Notice of Recordation/Non-Recordation will be returned via fax. USPTO will attempt to fax to the number provided in the submission; fax failures will be delivered via US Postal Service to the Correspondence Address provided in the submission.

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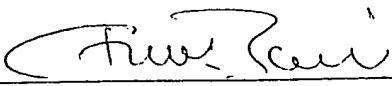
Electronic Assignment Server at <http://epas.uspto.gov>

WHEREAS, APA Enterprises, Inc., a corporation organized and existing under the laws of the state of Minnesota and having a principal place of business at 2950 N.E. 84th Lane, Blaine, Minnesota 55434 (hereinafter referred to as the "ASSIGNOR") is the owner of the U.S. patents and applications for United States Letters Patent set forth in SCHEDULE A annexed hereto; and

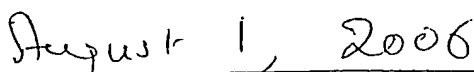
WHEREAS, INTERNATIONAL RECTIFIER CORPORATION, a corporation organized and existing under the laws of the state of Delaware and having a principal place of business at 233 Kansas Street, El Segundo, California 90245 (hereinafter referred to as the "ASSIGNEE") is desirous of acquiring all right, title and interest in said patents and applications for patent, the inventions set forth therein, and any patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and set over to said ASSIGNEE the entire right, title and interest for the United States and all other countries in and to said inventions, and the aforesaid patents and applications for patent, and all original, divisional, continuation, substitute, reissue and reexamination applications for patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said inventions, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said ASSIGNEE herein as ASSIGNEE of the entire interest therein; and the undersigned for itself and its legal representatives, heirs, and assigns does hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, substitute and reissue United States and other country applications for patent on said inventions and all assignments thereof to said ASSIGNEE or its assigns, to communicate to said ASSIGNEE or its representatives all facts known to the undersigned respecting said inventions, whenever requested to testify in any Interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths or declarations, and to do generally everything necessary to aid said ASSIGNEE, its successors, assigns, and nominees to obtain patent protection for said inventions in the United States and all other countries, the expenses incident to said applications to be borne by and paid by said ASSIGNEE.

APA Enterprises, Inc.
2950 N.E. 84th Lane
Blaine, Minnesota 55434



Anil K. Jain
President



Date

SCHEDULE A

U.S. Patent No./U.S. Serial No.	Issue Date/Filing Date	Title
5,192,987	March 9, 1993	HIGH ELECTRON MOBILITY TRANSISTOR WITH GAN/ $\text{Al}_x\text{Ga}_{1-x}\text{N}$
5,296,395	March 22, 1994	METHOD OF MAKING A HIGH ELECTRON MOBILITY TRANSISTOR
10/723,382	November 25, 2003	SUPER LATTICE MODIFICATION OF OVERLYING TRANSISTOR
11/450,806	June 8, 2006	SUPER LATTICE MODIFICATION OF OVERLYING TRANSISTOR